

## Watermark Encoding and Decoding in Imaging Devices and Imaging Device Interfaces

### *Abstract of the Disclosure*

The disclosure details methods and systems for watermark encoding and decoding  
5 in imaging devices, such as printers and scanners, and imaging device interfaces.  
Watermark encoding and decoding functions are incorporated into printer and scanner  
image processing pipelines. Watermark encoders and decoders perform watermark  
encoding and decoding, respectively, on an image as it is being transferred from one  
stage of a printing or scanning process to another. In particular, streaming mode  
10 watermark encoders and decoders operate on sequential portions of the image in a  
sequential image stream passing from one stage to another. The streaming mode encoder  
and decoder may be incorporated in a printer or scanner driver in a computer connected  
to a printer or scanner peripheral or within a printer or scanner device.